

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	72930	((audio or signal\$1 or level\$1) same (compar\$3 or determin\$3 or previous) same (counter\$1)) and (@ad<"20030207")	US-PGPUB; USPAT	OR	ON	2007/02/07 18:22
S2	39573	S1 and ((signal\$1 or audio\$1) with (compar\$3 or previous))	US-PGPUB; USPAT	OR	ON	2007/02/07 12:54
S3	39573	S2 and (counter\$2)	US-PGPUB; USPAT	OR	ON	2007/02/07 12:57
S4	1477	S3 and ("381"/\$.cccls.) or ("365"/\$.cccls.)	US-PGPUB; USPAT	OR	ON	2007/02/07 12:58
S5	256	S4 and ("381"/\$.cccls.)	US-PGPUB; USPAT	OR	ON	2007/02/07 13:30
S6	526	((signal\$1 with (level\$1 or magnitude\$1)) same (determin\$3 or compar\$3 or controll\$3)) and (counter\$1) and ("381"/\$.cccls.) and (@ad<"20030207")	US-PGPUB; USPAT	OR	ON	2007/02/07 13:48
S7	2564	((signal\$1 with (level\$1 or magnitude\$1)) same (determin\$3 or compar\$3 or controll\$3)) and (counter\$1) and ("365"/\$.cccls.) and (@ad<"20030207")	US-PGPUB; USPAT	OR	ON	2007/02/07 13:49
S8	2550	S7 and (memory or stor\$3)	US-PGPUB; USPAT	OR	ON	2007/02/07 13:50
S9	167374	(unit with (control\$4 and determin\$3))	US-PGPUB; USPAT	OR	ON	2007/02/07 13:50
S10	248	S8 and (unit with (control\$4 and determin\$3))	US-PGPUB; USPAT	OR	ON	2007/02/07 14:18
S11	3125	((signal\$1 with (level\$1 or magnitude\$1)) same (controll\$3 or compar\$3 or count\$3 or determin\$3)) and ("381"/\$.cccls.) and (@ad<"20030207")	US-PGPUB; USPAT	OR	ON	2007/02/07 16:21
S12	1568	S11 and (stor\$3 or memory)	US-PGPUB; USPAT	OR	ON	2007/02/07 14:23
S13	1466	S12 and ((signal\$1 or level\$1 or magnitude\$1) same (measur\$3 or compar\$3 or determin\$3))	US-PGPUB; USPAT	OR	ON	2007/02/07 14:24
S14	367	S13 and (counter\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 14:24

## EAST Search History

S15	18	("4219880"   "4355304"   "4373189"   "4393369"   "5075687"   "5245665"   "5451948"   "5506910"   "5541600").PN. OR ("5821889").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/07 15:12
S16	6	("4574246"   "4860010"   "5821889"   "6259391"   "6288658").PN. OR ("6690312").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/07 15:28
S17	21496	((regulat\$3 or controll\$3 or measur\$3) with (signal\$1 adj2 level\$2)) and (@ad<"20030207")	US-PGPUB; USPAT	OR	ON	2007/02/07 15:29
S18	7637	S17 and (count\$3 and tim\$3)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:30
S19	5446	S18 and (digital\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:30
S20	4529	S19 and (current\$ or previous)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:30
S21	3977	S20 and (stor\$3 or memory)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:31
S22	1900	S21 and (pattern\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:31
S23	1597	S22 and (maximum\$2 or limit\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:32
S24	1597	S23 and (one)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:32
S25	1175	S24 and (counter\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:35
S26	1336	S24 and (signal\$1 adj1 level\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:33
S27	88	S26 and (mono or stereo)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:33
S28	57	S25 and (("381"/\$.ccls.) or ("341"/\$.ccls.))	US-PGPUB; USPAT	OR	ON	2007/02/07 15:40
S29	264370	((signal\$1 or level\$1 or audio\$1 or magnitude\$1) same-(control\$3 or regulat\$3 or determin\$3 or compar\$3)) and (counter\$1) and (@ad<"20030207")	US-PGPUB; USPAT	OR	ON	2007/02/07 15:50
S30	11071	S29.and(("381"/\$.ccls.) or ("341"/\$.ccls.) or ("700"/\$.ccls.))	US-PGPUB; USPAT	OR	ON	2007/02/07 15:51
S31	5148	S30.and (signal\$1 with level\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:52
S32	3308	S31 and (("381"/\$.ccls.) or ("341"/\$.ccls.))	US-PGPUB; USPAT	OR	ON	2007/02/07 16:07

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S33	83	S32 and (mono or sterero)	US-PGPUB; USPAT	OR	ON	2007/02/07 15:52
S34	1654	S32 and (counter\$1 with one)	US-PGPUB; USPAT	OR	ON	2007/02/07 16:08
S35	599	S34 and ((chang\$3 or differnc\$3) with counter\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 16:20
S36	112	(381/11.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/07 16:20
S37	72	S36 and (@ad<"20030207")	US-PGPUB; USPAT	OR	ON	2007/02/07 16:41
S38	3	S37 and (counter\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 16:21
S39	7	((chang\$3 and no\$1chang\$3) with (counter\$1))	US-PGPUB; USPAT	OR	ON	2007/02/07 16:33
S40	22896	(stor\$3 or memory) and (determin\$3 or compar\$3 or controll\$3) and ("327"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/07 16:41
S41	19076	S40 and (@ad<"20030207")	US-PGPUB; USPAT	OR	ON	2007/02/07 16:42
S42	4954	S41 and (counter\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 16:42
S43	4942	S42 and (level or signal\$1 or magnitude)	US-PGPUB; USPAT	OR	ON	2007/02/07 16:42
S44	3687	S43 and (current\$1 or previous)	US-PGPUB; USPAT	OR	ON	2007/02/07 16:42
S45	2514	S44 and (maximum or limit\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 16:45
S46	8	S45 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/07 16:45
S48	27	S45 and ((327/377.ccls.) or (327/151.ccls.))	US-PGPUB; USPAT	OR	ON	2007/02/07 16:51
S49	505	(381/104.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/07 17:29
S50	1	"20050026568"	US-PGPUB; USPAT	OR	ON	2007/02/07 17:26
S51	347	S49 and (@ad<"20030801")	US-PGPUB; USPAT	OR	ON	2007/02/07 17:36
S52	108	S51 and (\$4phone\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 17:35
S53	720	((455/70.ccls.) or (455/569.1.ccls.)) and (@ad<"20030801")	US-PGPUB; USPAT	OR	ON	2007/02/07 17:37
S54	35	S53 and (volume\$1 with (hear\$3 or ear\$1))	US-PGPUB; USPAT	OR	ON	2007/02/07 17:44

## EAST Search History

S55	14	("5224151"   "5448620"   "6011686").PN. OR ("6144864").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/07 17:42
S56	14	("455"/\$.ccls.) and (hand\$2free same (volum\$2 and profile\$1))	US-PGPUB; USPAT	OR	ON	2007/02/07 17:49
S57	1	"20050134637"	US-PGPUB; USPAT	OR	ON	2007/02/07 17:50
S58	1	"20050135637"	US-PGPUB; USPAT	OR	ON	2007/02/07 18:06
S59	1	"20040120532"	US-PGPUB; USPAT	OR	ON	2007/02/07 18:07
S60	32241	((audio or signal\$1 or level\$1 or magnitude\$1) with (determin\$3 or compar\$3 or control\$3)) same (counter\$1 and level\$1) and (@ad<"20030207")	US-PGPUB; USPAT	OR	ON	2007/02/07 18:44
S61	2725	S60 and (("381"/\$.ccls.) or ("327"/\$.ccls.) or ("341"/\$.ccls.))	US-PGPUB; USPAT	OR	ON	2007/02/07 18:25
S62	276	S61 and ("381"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/07 18:41
S63	23424	((signal\$1 adj1 level\$1) same (compar\$3 or counter\$1 or determin\$3)) and (stor\$3 or memory)	US-PGPUB; USPAT	OR	ON	2007/02/07 18:43
S64	18606	S63 and (@ad<"20030207")	US-PGPUB; USPAT	OR	ON	2007/02/07 18:48
S65	6874	S64 and (identical\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 18:48
S66	6404	S65 and (determin\$3 and control\$4)	US-PGPUB; USPAT	OR	ON	2007/02/07 18:49
S67	4988	S66 and (spac\$3 or interval\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 18:50
S68	4135	S67 and (maximum\$1 or limit\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 18:50
S69	3335	S68 and (digital\$2)	US-PGPUB; USPAT	OR	ON	2007/02/07 18:51
S70	1374	S69 and (stable or stability )	US-PGPUB; USPAT	OR	ON	2007/02/07 18:52
S71	1930	S69 and (counter)	US-PGPUB; USPAT	OR	ON	2007/02/07 18:52
S72	875	S70 and (counter)	US-PGPUB; USPAT	OR	ON	2007/02/07 18:53
S73	58	S72 and (stereo\$1)	US-PGPUB; USPAT	OR	ON	2007/02/07 18:54

## EAST Search History

S74	1076	(700/94.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/13 08:23
S75	650	S74 and @ad<"20030207"	US-PGPUB; USPAT	OR	ON	2007/02/13 09:32
S76	0	("2003/0144755").URPN.	USPAT	OR	ON	2007/02/13 08:32
S77	13	("5345036"   "5548655"   "5621851"   "5745583"   "5880387"   "5883963"   "5956494"   "5982902"   "6005949"   "6088461"   "6298139"   "6377862"   "6560497").PN. OR ("6763275"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/13 09:04
S78	14	("5345036"   "5548655"   "5621851"   "5745583"   "5880387"   "5883963"   "5956494"   "5982902"   "6005949"   "6088461"   "6298139"   "6377862").PN. OR ("6560497").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/13 09:15
S79	32	S75 and ((381/104.ccls.) or (381/107.ccls.))	US-PGPUB; USPAT	OR	ON	2007/02/13 09:30
S80	991	(counter\$1 and ((level\$1 or magnitude\$1) with (signal\$1))) and (("381"/\$.ccls.) or (700/94. ccls.))	US-PGPUB; USPAT	OR	ON	2007/02/13 09:32
S81	833	S80 and @ad<"20030207"	US-PGPUB; USPAT	OR	ON	2007/02/13 10:03
S82	709	S81 and (controll\$3)	US-PGPUB; USPAT	OR	ON	2007/02/13 09:50
S83	597	Park-Jin\$.in.	US-PGPUB; USPAT	OR	ON	2007/02/13 09:53
S84	4	Park-Jin-You\$_.in.	US-PGPUB; USPAT	OR	ON	2007/02/13 09:54
S85	2	"20020159608"	US-PGPUB; USPAT	OR	ON	2007/02/13 09:55
S86	2	("6522988"   "6574342").PN. OR ("6999591").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/13 10:00
S87	1	"20020076072"	US-PGPUB; USPAT	OR	ON	2007/02/13 10:01
S88	1	"20020031236"	US-PGPUB; USPAT	OR	ON	2007/02/13 10:02
S89	27	(365/134.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/13 10:03

## EAST Search History

S90	2087	(365/154.ccls.)	US-PGPUB; USPAT	OR	ON	2007/02/13 10:03
S91	1400	S90 and @ad<"20030207"	US-PGPUB; USPAT	OR	ON	2007/02/13 10:03
S92	103	S91 and (counter\$1)	US-PGPUB; USPAT	OR	ON	2007/02/13 10:04
S93	27	S92 and (signal\$1 adj2 level\$1)	US-PGPUB; USPAT	OR	ON	2007/02/13 10:07